S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Total Rate per Unit =	**8.64**							
35	Providing and applying **enamel metal paint** two coats(excluding primming coat) overnew steel or other metal surface breshing to give an even shade after cleaning oil, grease, dirt, and other forighn matter, including cost of all materials, labours, complete as per specification.**(Pg no 121-Item No 15.74)**								
	Ground Floor	Sqm							
	Total qty of windows						25.98		
							25.98		
				25.98x2.5x2sides			**129.90**		
	Basic Rate =	**82.00**			Total qty		**129.90**	**88.56**	**11503.94**
	Area Weightage @ 8% =	**6.56**							
	Total Rate per Unit =	**88.56**							
36	KSRB 4.9.2: Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification								
	Footings	Qtl		9.54	kg/cum	90.00	858.54		
	Chejja			0.76	kg/cum	80.00	60.48		
	Lintel			0.72	kg/cum	80.00	57.60		
	Columns			4.46	kg/cum	100.00	446.00		
	Plinth beams			6.13	kg/cum	115.00	704.84		
							2127.45		
	Basic Rate =	**70675.00**					**2.12**	**76329.00**	**161817.48**
	Area Weightage @ 8% =	**5654.00**							
	Total Rate per Unit =	**76329.00**							
37	Supplying and wiring adoptiong loop system in existing PVC conduit /casing caping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose legnth in a wood/PVC round block, complete for each outlet. (P.4/I.8.I.C) Electrical-SR 2015-16)								
	b) Medium point above 3Mtr upto 6Mtr	No	6				6.00	175.00	1050.00
	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch		4				4.00	368.00	1472.00
38	Supplying 6A flush /projected type socket and a 6 amps flush/projected type SP switch either surface mounting in a gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. (P.6/I.12a) Electrical -SR 2015-16)								
		No	12				12.00	91.00	1092.00
39	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. (P.4/I.6) Electrical -SR 2015-16)								
	b) 12"x12"x3"	Each	6				6.00	98.00	588.00
	c) 10"x7"x3"		7				7.00	68.00	476.00
40	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulated etc.., and fixing on existing wooden or metal box using N.F. screws.., (P.10/I.22) Electrical SR - -SR 2015-16)								
		Sq. cmt	2	1613.00			3226.00	0.22	709.72
41	Extra for groove cutting, plastering and colour washing for embedding PVC conduit/GI pipe and plastering finishing the wall upto wall surface complete upto 50mm conduit in brick in wall (P.3/I.7a) Electrical-SR 2015-16)								

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
		Rmtr	2	110.00			220.00	14.00	3080.00
42	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit..... The pit should be filled with equal proportion of salt and charcoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per IS1 specification 7.3.3 of IS 732 using 12 mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia. (P.68/I.2) Electrical -SR 2015-16)								
		Each	1				1.00	3000.00	3000.00
43	Supplying and fixing of porcelain fuse chanel with cut out on existing wooden/panel using ncessary nuts, bolts and washers etc complete (P.32/I.3a) Electrical -SR 2015-16)								
		Each	6				6.00	54.00	324.00
44	Supplying 20mm dia 2mm thick heavy guage PVC conduit pipe with suitable size bends, metal junction boxes, adhesive paste etc and running before concreting the slabs. The conduit should be tied to the reinforcement roads by using binding wire and unused ways of junction boxes and pipe ends should be covered using PVC and enclosures and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (P.2/I.2a) Electrical -SR 2015-16)								
		Rmtr	1	130.00			130.00	32.00	4160.00
45	Supplying and fixing PBBC brass/Bakelite straight or slant batten holder and wiring, within 60W/230 Volts lamps. (P.13/I.12a) Electrical -SR 2015-16)								
		No.	6				6.00	60.00	360.00
46	Supply patty type fluorescent tube light fitting of 4 feet 40 watts fluorescent tube of 230 volts made of M.S. sheet and stove enameled with heavy duty polyfill aluminum choke, starter, locking type brass contact holders mounted on foldable type sheet base fully wired.for use on 230 volts AC supply including 1 Nos 4'-36/40 watts fluorecent tube A Group (P.16/I.2a) Electrical -SR 2015-16)								
		No	12				12.00	400.00	4800.00
47	Wiring for lighting / power circute using one of PVC insulated 1100v/grade multies and copper conductor single core cable in open or consealed system of wiring A Group materials 1.50 Sqmm materials (P.9/I.20Ib) Electrical -SR 2015-16)								
		Rmtr	4	100.00			400.00	15.00	6000.00
48	Supplying and running of GI / Copper conductor for grounding & (along with other wires of CTS or conduit system of wiring) using if necessary suitable size clamps bolts nuts and washers etc. (P.68/I.3Ic) Electrical -SR 2015-16)								
		Rmtr	4	6.00			24.00	221.00	5304.00
49	Supplying and fixing miniature circuit breakers/Isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required (P.36/I.12Ba) Electrical -SR 2015-16)								
		No.	6				6.00	370.00	2220.00
50	Supplying capacitor type ceiling fan complete with down rod blades, shakle, regulator canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved (Almanord, Unique ISI, Anchor, Crompton, Khaitan, Bajaj, Usha, Johnson make) (P.23/I.23IIa) Electrical -SR 2015-16)								
		Nos	6				6.00	1900.00	11400.00
51	Fixing a ceiling fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (P.29/I.8) Electrical -SR 2015-16)								
		Nos	6				6.00	105.00	630.00
52	Supplying and fixing 32mm dia class A GI pipe bracket upto 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluoroscent tube street light fitting of all capacities to GI or CI or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. (P.28/I.12b) Electrical-SR 2015-16)								
		Nos	6				6.00	685.00	4110.00
53	Digging of trench of 0.6m deep x 0.50mtr wide refiling the trench to the required ground level and consolidating etc., complete. In Hard Soil (P.70/I.6b) Electrical -SR 2015-16)								
		Rmtr	1	20.00			20.00	50.00	1000.00

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
54	KSRB13-1.1 : Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold watersupply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing ofpipes and fittings with one step CPVC solvent cement & the cost ofcutting chases & making good the same including testing of jointscomplete. (Concealed work including cutting chases and good the wallsetc.). **20mm nominal OD pipes** (P-96 & 13.86.2).								
		M	1	50.00			50.00	226.80	11340.00
	Basic Rate	210.00							
	Area Weightage @ 8%	16.80							
	Total	226.80							
55	KSRB13-1.1 : Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold watersupply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing ofpipes and fittings with one step CPVC solvent cement & the cost ofcutting chases & making good the same including testing of jointscomplete. (Concealed work including cutting chases and good the wallsetc.). **25mm nominal OD pipes**(P-96 & 13.86.3).								
		M	1	50.00			50.00	270.00	13500.00
	Basic Rate	250.00							
	Area Weightage @ 8%	20.00							
	Total	270.00							
56	KSRB13-1.1 : Providing and fixing Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) size 12.5cms x7.5cms (P-88 & 12.113.2.								
		Each	3				3.00	307.80	923.40
	Basic Rate	285.00							
	Area Weightage @ 8%	22.80							
	Total	307.80							
57	KSRB13-1.1 :Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.(P-88 & 12.111).								
		Each	3				3.00	172.80	518.40
	Basic Rate	160.00							
	Area Weightage @ 8%	12.80							
	Total	172.80							
58	KSRB13-1.1 :Providing and fixing in position brass gate valve withC.I wheel of approved quality (screwed end) 25mm nominal boreincluding cost of all materials, labour and HOM of equipments with allleads complete as per specifications..(P-91 & 13.34).								
		Each	2				2.00	648.00	1296.00
	Basic Rate	600.00							
	Area Weightage @ 8%	48.00							
	Total	648.00							
59	KSRB13-1.1 :Providing and fixing to wall, ceiling and floor, low densitypolyethylene pipes 6.00 kgf/sq.cm working pressure **140mm outsidediameter** with special flange, compression type fittings, wall clips, makinggood the wall, ceiling and floor, including cost of all materials, labourcharges, HOM of equipments and testing complete as per specifications..(P-93 & 13.70.6).								
		Mtr	12	3.00			36.00	574.56	20684.16
	Basic Rate	532.00							
	Area Weightage @ 8%	42.56							
	Total	574.56							

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
60	KSRB13-1.1 Constructing brick masonry inspection chamber 455x610 mm, and 450 mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5 in C.I.cover with frame (light duty 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.CC Top slab with cement concrete1:2:4 mix 20 mm and downsize granite metal, foundation concrete 1:5:10 with 40 mm and down size granite metal inside plastering 12 mm rhick with cement mortar 1:3 finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications (P-73 & 11.50).								
		Each	1				1.00	7604.28	7604.28
	Basic Rate	7041.00							
	Area Weightage @ 8%	563.28							
	Total	7604.28							
61	KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660 x 460 with a pair of 15 mm C.P. brass pillar taps with pair of elbow operated levers, C.I./M.S. brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour, curing complete as per specification KBS 11 (Page : 81 Item No. 12.30)								
		Unit	2				2.00	4945.32	9890.64
	Basic Rate	4579.00							
	Area Weightage @ 8% =	366.32							
	Total	4945.32							
62	KSRB 13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads, complete as per specifications. Specification No. KBS 13.2.2/13.3 (Page No.91 & Item No. 13.25).								
		Each	2				2.00	293.76	587.52
	Basic Rate	272.00							
	Area Weightage @ 8% =	21.76							
	Total	293.76							
63	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa Pattern of size 580 x 440 mm with integral type footrest, 100mm S or P trap, 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I./M.S. brackets, 32 mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25 mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour, curing complete as per specification. KBS 11 (Page : 77 Item No. 12.2)								
		Pan	2				2.00	4682.88	9365.76
	Basic Rate	4336.00							
	Area Weightage @ 8% =	346.88							
	Total	4682.88							
64	Providing and placing on terrace, polyethylene waterstorage tanks with manhole lid and suitable locking arrangements,making holes of suitable diameter for inlet, outlet and over flow pipes,including cost of all materials, labour, transport charges, HOM ofequipments and testing complete as per specifications (For 1000 litre capacity) (Page : 94 Item No. 13.78)								
		Nos	1				1.00	9144.36	9144.36
	Basic Rate	8467.00							
	Area Weightage @ 8% =	677.36							
	Total	9144.36							
65	KSRB 11-15.3: Providing and fixing 453x357mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing incluidng cost of materials, labour complete as per specifications (Page : 82 Item No. 12.41)								
		Unit	2				2.00	1274.40	2548.80
	Basic Rate	1180.00							
	Area Weightage @ 8% =	94.40							
	Total	1274.40							

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
								SUB TOTAL	2381349.81
								KRDL Charges 9%	214321.00
								Miscellaneous	4329.19
								GRAND TOTAL	2600000.00
								(Rs. Twenty Six lakhs only)	

CERTIFICATE

1 *Certified that The work spot has been inspected by me and the work is necessary & site condition*
2 *Certified that the work is not split up*
3 *Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2016-17*
4 *Certified that Adequate & necessary*
5 *Certified that the above area comes under BBMP limit*
6 *This Work is not included in any other work taken up*

Asst Engineer
Ward-14

Assistant Executive Engineer
Dasarahalli Sub Division
B.B.M.P

Excecutive Engineer
Dasarahalli Division
B.B.M.P

ನಂ. CE/AS/12/17-18 ದಿನಾಂಕ : 08/06/2017
ರೂ. Rs. 26.00 lakh only/—
.....ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
.....ರವರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಬೂರು.

ನಂ. CE/TS/74/17-18 ದಿನಾಂಕ : 08/06/2017
ರೂ. Rs. 26.00 lakh only/—
.....
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀ...
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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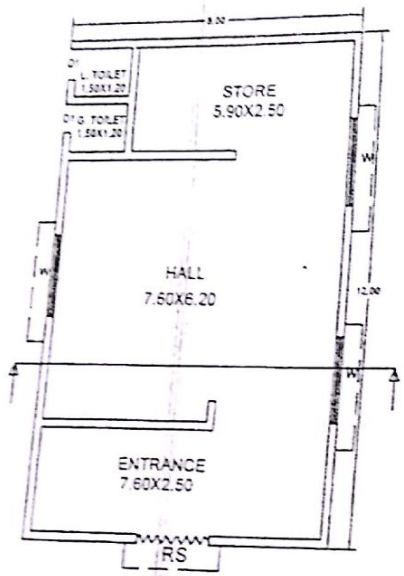
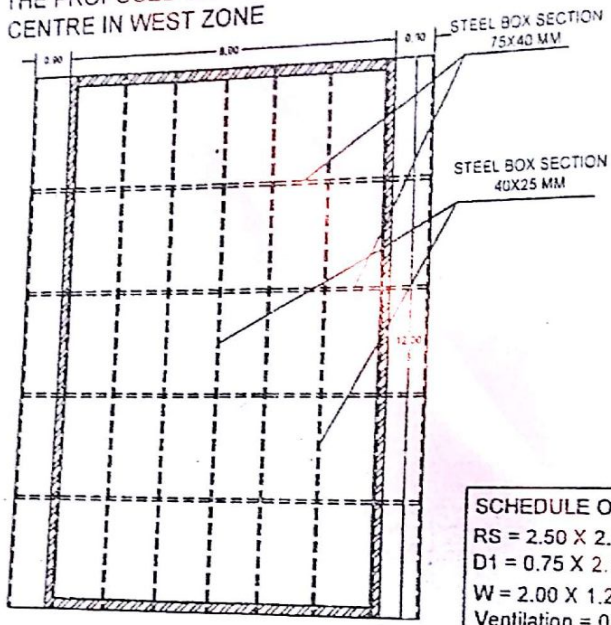
DETAILS SHOWING THE PROPOSED CONSTRUCTION OF DWCC CENTRE IN WEST ZONE



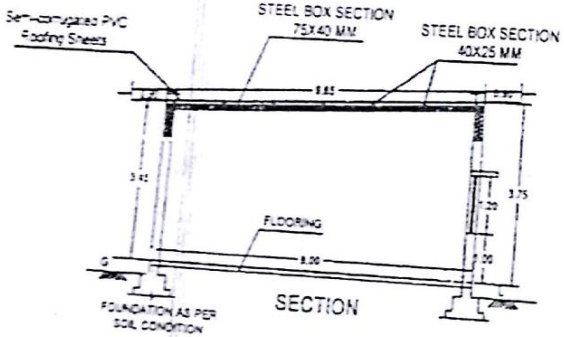
PLAN



PLAN SHOWING STEEL SECTIONS FOR ROOFING

SCHEDULE OF OPENINGS

RS = 2.50 X 2.60
D1 = 0.75 X 2.10
W = 2.00 X 1.20
Ventilation = 0.60 m ht.
(In Longer Walls)



SECTION

NOTE:

Sump of Size 3.00 X 2.50 X 1.50 m to be provided at suitable place and the following provisions are made.

1) One weighting machine
2) Storage racks
3) Fire Extinguisher and
4) Baler

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